

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) An audio information distribution system comprising:

at least one loudspeaker (13) by which audio information is made audible to a user,

monitoring means (11) including measuring means for obtaining measurements in the system,

said measuring means comprising at least one sensor which is connected to the monitoring means and is non-invasively connectable to the user for measuring at least one biophysiological phenomenon directly from the user and which produces signals describing a somatic phenomenon directly associated with the user, wherein the monitoring means are adapted to receive said signals and measure a change of the somatic phenomenon,

an information database (30) storing audio files,

local control means (10, 100) responsive to the monitoring means, adapted to determine on the basis of the measured change of the somatic phenomenon the current state of the user and perform an operation in accordance with the current state of the user, the operation including i) a selection of a

certain audio file containing speech and/or music from among the audio files stored in the information database and ii) a control of a manner of presentation of the selected audio file through the loudspeaker (13), and

global control means (52), operatively connected to control the local control means (10, 100) via a communication network (40) and adapted to

- receive said change of the somatic phenomenon which is sent from the local control means (10, 100),

- analyze said change by using a meter resulting in a scalar quantity describing activity and ability of the user, and

- on the basis of the analysis results, control operations to be performed by the local control means ~~select on the basis of the analysis at least one new audio file, and~~

- ~~— send the new audio file(s) to the local control means (10, 100) to be stored in the information database (30).~~

2. (cancelled)

3. (previously presented) A system according to claim 1, characterized in that the sensor is adapted to make at least one type of measurement from a group including measurements of the EMG, EEG, and EKG type, and measurements indicating skin conductivity, temperature, blood pressure and frequency of respiration.

4. (previously presented) A system according to claim 1, characterized in that the system further includes observation means (15) for measuring the state of the environment of the user, whereby the control means are also responsive to the observation means.

5. (previously presented) A system according to claim 1, characterized in that the system further includes regulation means (16) for regulating the state of the environment of the user, whereby the control means are adapted to control the regulation means.

6. (previously presented) A system according to claim 1, characterized in that the system further includes adjusting means for adjusting the somatic operation of the user.

7. (previously presented) A system according to claim 1, characterized in that the measurement means comprises a plurality of sensors located on the user, the sensors being adapted to measure the nature of movements of the user, including movements of the user's eyes.

8. (previously presented) A system according to claim 1, characterized in that the local control means are incorporated into a portable player.

9. (cancelled)

10. (previously presented) A system according to claim 1, characterized in that the global control means are adapted to control several different local control means which are separate from each other.

11-17. (cancelled)

18. (previously presented) A system according to claim 4, characterized in that the system further includes regulation means (16) for regulating the state of the environment of the user, whereby the control means are adapted to control the regulation means.

19-20. (cancelled)

21. (previously presented) A system according to claim 1, characterized in that the audio information to be made audible to the user is selected on the basis of the current location of the user.

22. (previously presented) A system according to claim 1, characterized in that said meter is a Resident Assessment Instrument (RAI) index.

23. (previously presented) A system according to claim 1, characterized in that the system is used for rehabilitation of said user.

24. (previously presented) A system according to claim 1, wherein the system is used for education, therapy, or entertainment of said user.

25. (previously presented) A system according to claim 1, wherein the system is used in an exhibition for supplying suitable information according to movements of said user.

26. (previously presented) A system according to claim 1, wherein in order to detect movements of said user the measurement means comprise at least one of the following devices: a video camera, an acceleration transducer, a gyroscope.

27. (previously presented) A system according to claim 1, wherein the measurement means use speech recognition to evaluate said somatic phenomenon.

28. (previously presented) A system according to claim 1, characterized in that the sensor is adapted to make at least one type of measurement from a group including measurements of temperature, blood pressure and frequency of respiration.

29. (previously presented) A system according to claim 1, wherein the measurement means comprise a plurality sensors located on the user, the sensors being adapted to measure the nature of movements of the user's eyes.

30. (previously presented) A system according to claim 1, characterized in that the system further includes regulation means (16) for regulating the non-audio state of the environment of the user, whereby the control means are adapted to control the regulation means.

31. (previously presented) A system according to claim 4, characterized in that the system further includes regulation means (16) for regulating the non-audio state of the environment of the user, whereby the control means are adapted to control the regulation means.